

ABSTRACT OF THE DISCLOSURE

Disclosed is a cathode material for a metal-oxygen battery such as a lithium-oxygen battery. The material comprises, on a weight basis, a first component which is an oxide or a sulfide of a metal. The first component is capable of intercalating lithium, and is present in an amount which is greater than 20% and up to 80% of the material. The material includes a second component which comprises carbon. The carbon is an electroactive catalyst which is capable of reducing oxygen, and comprises 10-80% of the material. The material further includes a binder, such as a fluoropolymer binder, which is present in an amount of 5-40%. Also disclosed is a battery which incorporates the cathode material.